



1/6

5' gatcagtttcgagttgtccacttgaagttctgttgaaaaaccaaccaccctccaaaATGTCTCTGAAGTCCGACGA  
M S L K S D E

AGTTTTGCGCAAGATCGCTAAGCGTCTGGAGAGCATCGACCCGCGCAACCGTCAGGTGAGCACGTGTACAAGTTCAGA  
V F A K I A K R L E S I D P A N R Q V E H V Y K F R

ATCACCCAGGGTGGCAAGGTTGTCAAGAACTGGGTTATGGATCTGAAGAACGTCAAGCTGGTCCGAGTCCGACGATGCCG  
I T Q G G K V V K N W V M D L K N V K L V E S D D A A

CCGAGGCCACCTGACCATGGAGGATGACATCATGTTCCGCATCGGAACCGGTGCCCTGCCCGCCAAGGAAGCCATGGC  
E A T L T M E D D I M F A I G T G A L P A K E A M A

CCAGGACAAGATGGAAGTCGATGGACAAGTTGAGCTGATCTTCTGCTGGAGCCATTTCATTGCCTCGCTGAAGTAAaat  
Q D K M E V D G Q V E L I F L L E P F I A S L K (SEQ ID NO:3)

gcgtgacgcggcccttgtgaataccaatcattgcatgtgcttgccctggttaatacagagcgaatgtcatgtcatccaaa  
ctactgtgttgtaacttattatttttctgtatcgcgatttcggcatcattaaaacgtattttgtaaagtaaaaaaaaaa  
aaaaaaaaaaaaaaaaaaaaa3' (SEQ ID NO:2)

FIG. 1

<i>Aedes</i>	1	-----MSLKSDEVFAKIAKRLESI-----DPANRQVEHVYKFRITQG-GKVVKNVMDLKNVKLVES	*****
<i>Anopheles</i>	1	-----YCPSAQRVRQLL•A••••P•ER•••••N••••QQ•••••Q•N•T•••T•L••A•••T•G	
rat	1	SSAGDGF•ANLI•KE•E•K•EEG--EEFVKKIGGIFA•KV•D•P•••EAT••V•V•G•GSVL	
human	1	SSASDGF•ANL••KE•E•K•EEG--EQFVKKIGGIFA•KV•D•P•••AT••V•V•G•GSVL	
DmSCP-X	420	-----DGF•VAPLLKLLQAMQEDK---N•LIEK•RAI•G•KVN••PN•QTGF•I•A•QG•GKII	
CG11151	1	-----Q•A•Q•IDG•KEN---EAKAKA•NG•FLYK•KD•••A•E•TL•C•A•AY•G	
CG12269	1	-----M•••IIE•RNK•KES-----R•T•VNTFQ•NFTDAD•NLI•MA••IYEGSATS-	
nematodes	316	-----VAS•AMD---EHLV•LIGR•FQINCKD---IEP•ICI••HGSGSAY	
yeast	1	-----MSVEVDGFNASPL•KELNEG•ADKAKAQE•VKA•NAIIVITLKNK•EGKEQS••L••KAGTLAK	
consensus		-----•PL•QELEEAVKELG--EELVKK•GAILE•NVKD•-TGKEDA•TI•••G•G•VY	** * * *

  

<i>Aedes</i>	57	-DDA---AEATLTMEDDIMFAIGTGALPAKEAMAQDKMEVDGQVELIFLLEPFIASLK-----	(SEQ ID NO:3)
<i>Anopheles</i>	70	-GP-----•M••••L••••LD•E•••••••••••K-----	(SEQ ID NO:4)
rat	63	P•SDK•K•DC•I••A•SDLL•LM••KMNQPS•FF•G•LKIA•NMG•AMK•QSLQLQPKD-----AKL	(SEQ ID NO:5)
human	63	PNSDK•K•DC•I••A•SDFL•LM••KMNQPS•FF•G•LKIT•NMG•AMK•QNLQLQPGN-----AKL	(SEQ ID NO:6)
DmSCP-X	479	FNGTQ•KCDV•FIIS••DV•ELL•K•PQK•FF•G•IKIQ•NMGFAMK•MDLQDPPKAGSRLRSKL	(SEQ ID NO:7)
CG11151	58	-PAQGIKVD••VA•ED•VD•AL•K•NPQA•FMKG•LKIA•NIM•TQK•A•LLKTD-----AKL	(SEQ ID NO:8)
CG12269	55	-----VD•QV•IS•EDFYLV••KQKTFQ•VLQ•E•AKI••DE•A•NKMLEKFRINSQN-----	(SEQ ID NO:9)
nematodes	357	-KGTSLNPDVVFETSLEVFGK•L•KEVSPVTVY•NGNLKVK•SIQDAMQ•KHLVERMSD-----WL	(SEQ ID NO:10)
yeast	65	V•G•VPKGDVQ•ILK•VDFVKLANNVNGQ•LFMNG•LKVK•NMMKATAI•SVFKKLDP-----RPKL	(SEQ ID NO:11)
consensus		GGG•ANK•DV•FSAS•SDFLK•L••K•DPQT•FM•G•LKIK•NMM•AMK•MAVLKKFL-----	

FIG. 2